WEST

End of Result Set

Generate Collection Print

L2: Entry 1 of 1 File: DWPI May 7, 1993

DERWENT-ACC-NO: 1993-185161
DERWENT-WEEK: 200115

TITLE: Microcapsules prepn. used in subcutaneous or intramuscular injection - comprises suspending liposome(s) contg. active material in aq. hydrogel matrix and dispersing resulting emulsion in organic solvents and adding stiffening agents

Basic Abstract Text (3):
In an example, to 100 mg dipalmitoylphosphatidyl choline, 1.0ml 100mM calcein aq. (pH 7.0) as a label pigment and stirred by boltex mixer for 1 min. in every 15 min. 4 times at 60 deg. C in water to prepare multilayer lamella vesicles (MLV). The MLV was filtered by 200nm polycarbonate filter to give liposome with 150 micron in average dia.. The liposome was treated by Sefadex G-50 (Medium) column (2x30cm) to separate calcein which was not taken in the liposome. To the liposome emulsion, sodium alginate was added to prepare 2% (W/V), and dissolved with stirring. Then 10 times (V/V) for liposome emulsion of cyclohexane was added and stirred by silverson mixer at 12000 rpm. Calcium chloride dihydrate (4.5%(w/v)) was added under stirring to prepare 1.5% in aq. layer and to gel. The gel soln. was added to 1.5% calcium chloride aq., and cyclohexane as supernatant was sped. by decantation then stirring under reduced pressure for 30 min.. The microcapsules was filtered by filter paper and washed by distilled water. The microcapsules was added to 0.05% poly-L-lisine aq. and stirred for 20 min. to make coating for the surface strength. The microcapsules was filtered and washed again, and re-suspended in the distilled water to give the mirocapsules. The average dia. of the microcapsule was 21 micron. The calcein from dissolved liposome was 2.9hy

WEST Search History

DATE: Wednesday, July 30, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L3	liposome$ adj10 cyclohexane	1	L3
L2	liposome$ adj5 cyclohexane	1	L2
L1	liposome$ same cyclohexane	57	L1

END OF SEARCH HISTORY

L1: Entry 51 of 57 File: USPT Mar 11, 1980

DOCUMENT-IDENTIFIER: US 4192859 A
**** See image for Certificate of Correction ****
TITLE: Contrast media containing liposomes as carriers

Brief Summary Text (20):
The liposomes may be prepared by mixing in a flask of suitable size desired amounts of lecithin, sterol with or without a charged component of phosphatidic acid, dicetyl phosphate or stearylamine in an organic solvent, such as chloroform, dichloromethane diethyl ether, carbon tetraoxide, ethyl acetate, dioxane, cyclohexane, and the like (chloroform being preferred). The organic solvent is evaporated under vacuum. The phospholipid formed in the flask is dispersed or hydrated by gentle shaking or stirring with a buffer solution of neutral pH containing a preweighed amount of contrast agent dissolved therein. The flask is shaken for two to six hours whereupon the lipids swell and form concentric lipid spherules (liposomes) with concomitant entrapment of water containing the contrast agent. Thus, a certain portion of the contrast agent is entrapped in liposome vehicles. The mixture is then sonicated briefly to decrease the size and viscosity of the liposomes.